Tailored Environmental Measurements and Products for Energy Solutions (TEMPEST)
Mission

Bring together selected universities with the oil and gas industry for organized research to comprehensively address environment, health, and safety (EH&S) impacts of operations.
Structure

Two University Sites will lead the initiative

• Each site is responsible for a main thrust area
  • Interdisciplinary research expertise across all institutions
  • Research expertise for each thrust will exist and be utilized across sites
• Additional sites can join later

University of Colorado Boulder
- Atmospheric Emissions
- Clean Power

Colorado School of Mines
- Produced Water

University of Colorado Boulder
- Demonstration and Deployment
Strategy

Unite expertise crossing all facets of oil and gas processes and advance opportunities for deployment of technologies and policy.
Why Join TEMPEST?
Unique opportunity to become part of a network that will transform the future of oil and gas operations

Benefits to industry partners:

**Research and Discovery**
- Cutting-edge
- Industry-directed
- Access to University facilities

**Leveraged Dollars**
- Indirect costs ≤10%
- Pooled industry resources
- Government matching funds

**Technical Solutions**
- Validation of methods and techniques
- Preferred access to University IP
- Demonstration capabilities

**Relationships & Reputation**
- Knowledge exchange with suppliers and customers
- Environmental stewardship
Program Background

• Application-driven research that will solve real-world problems

• Center research is primarily supported by industry members
  • Each site is required to raise $150,000 in industry commitments annually and 3 full industry members
  • Industry advisory board votes on projects to fund within the research center:
    • Gold membership $50,000
    • Silver membership $25,000